

# California Emergency Management Agency



**2-2011 Edition** 



# HazMat Team Typing Program for California







#### Presented by:

#### Jan Dunbar

Division Chief
Special Operations Unit
Fire Rescue Division

#### **Trevor Anderson**

Senior Emergency Services Coordinator
Haz-Mat Unit

Senior Emergency Services Coordinator
Haz-Mat Unit

### Overview

- FIRESCOPE
- ICS System
- State Master Mutual Aid
- Resource Typing
- HazMat Equipment List (SEL)
- HM Team Typing Criteria
- SEL







## **Overview (Cont)**

- Inspection Process
- Documentation & Reports
- Activation of Teams
- Grant Audit Program







Firefighting Resources of California
 Organized for Potential
 Emergencies

Development of an ALL-RISK Incident
Management and Multi-Agency coordination
system, to enhance and encourage full
participation by the California fire service in
the statewide Fire Rescue Mutual Aid System,
and to develop and maintain the FIRESCOPE
Incident Command System (ICS) and the MultiAgency Coordination System (MACS).



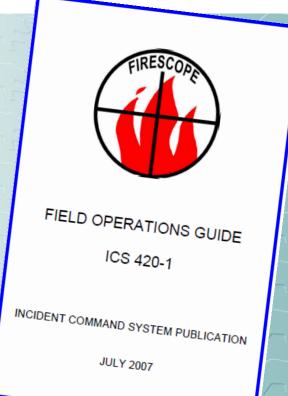


- Formed about 1971
- Original Focus:
  - Develop and provide an ICS system and concept for Wildland Fires
  - Borrowed concepts and terminology from US Military (Army)
  - Management of 100's to 1000's of personnel (per incident)
  - Assignment of 100's to 1000's of resources

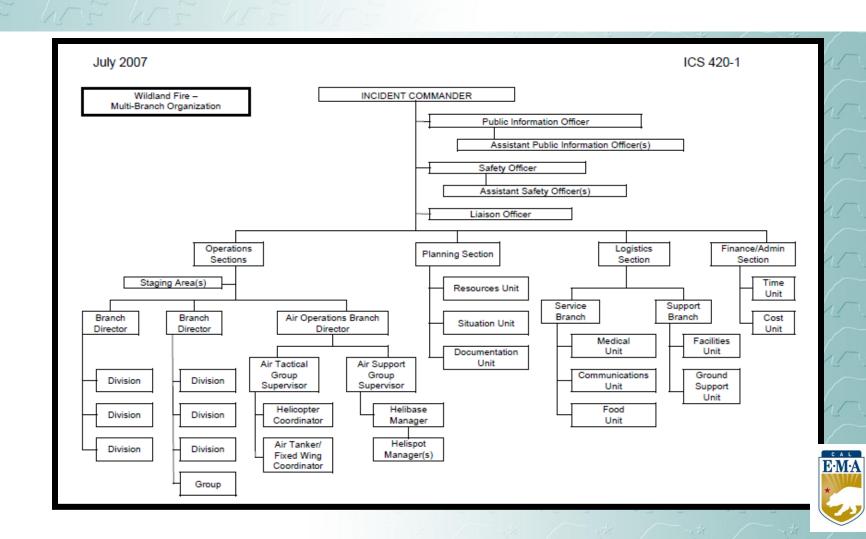


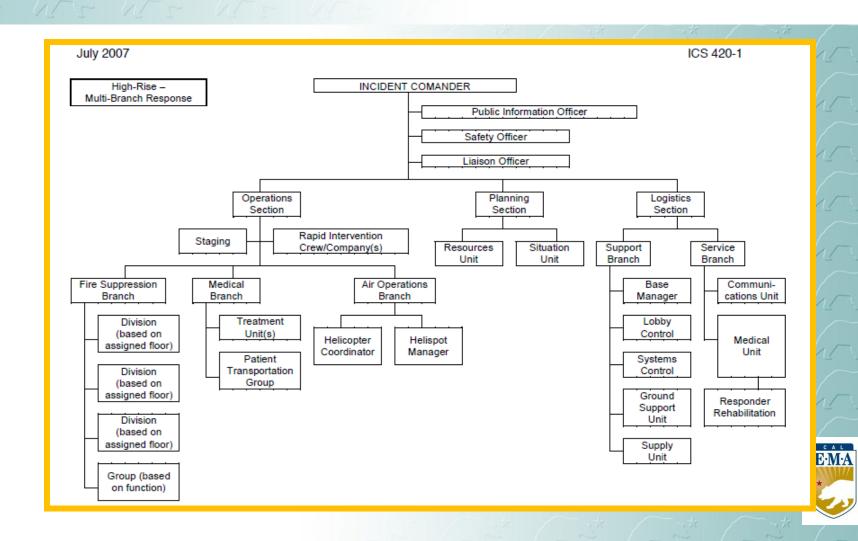
#### Extensions:

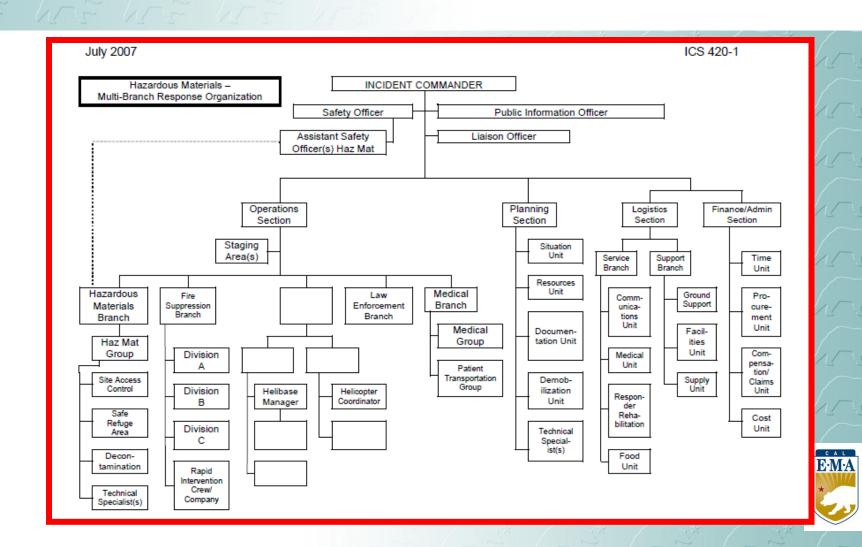
- 1981 Developed "Hi-Rise" Module
- 1985 Developed "Swift Water Rescue" Module
- 1989 Developed "Haz-Mat" Module
- 1991 Developed "Multi-Casualty" Module
- 1993 Developed "Urban Search & Rescue" Module
- 2003 Developed "Terrorism" Module



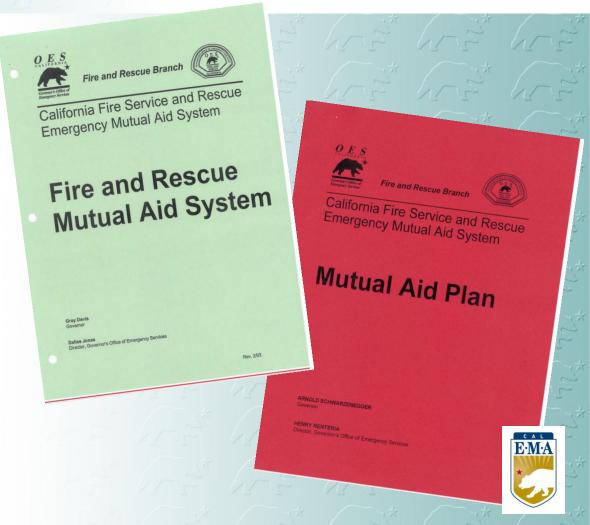








MELD "ICS"
 INTO THE
 STATE MASTER
 MUTUAL AID
 SYSTEM:



### **RESOURCE TYPING**

July 2007

ICS 420-1

#### PRIMARY MOBILE SUPPRESSION RESOURCES (Minimum ICS Standards)

RESOURCE	RADIO	COMPONENTS		TYP		
	CALL	99:0-0-00/M2-4-0 00000 D-M-0-0	-1	2	3	4
Engine Company	Engine Telesquirt*	Pump Water Tank Hose 2 1/2" Hose 1 1/2" Hose 1" Ladder Master Stream Personnel	1,000GPM 400 Gal. 1,200 Ft. 400 Ft. 200 Ft. 20 Ft. Ext. 500 GPM 4	500 GPM 400 Gal. 1,000 Ft. 500 Ft. 300 Ft. 20 Ft. Ext.	120 GPM 300 Gal. - 1,000 Ft. 800 Ft. - 3	50 GPM 200 Gal. - 300 Ft. 800 Ft. - - 3
Truck Company	Truck	Aerial (Specify platform or ladder), Elevated Stream, Ground Ladders,	75 Ft. 500 GPM 115 Ft.	50 Ft. 500 GPM 115 Ft.		
		Personnel	4	4		
Water Tender	Water Tender	Pump Water Tank	300 GPM 2,000 Gal.	120 GPM 1,000 Gal.	50 GPM 1,000 Gal.	
Brush Patrol	Patrol	Pump -15 GPM Hose 1"-150 Ft. Tank -75 Gal. Personnel - 1			720	
Medical/Non Transport	Rescue, Squad, Medic Engine	Non Transport, capability and personnel determined by local EMS authority	ALS	BLS		
Medical/ Transport	Ambulance, Medic	Transport, capability and personnel determined by local EMS authority	ALS	BLS		
Bulldozer	Dozer	Size Horse Power Operator Example(s):	Heavy 200 HP 1 D-7, D-8	Medium 100 HP 1 D-5, D-6	Light 50 HP 1 D-4	
Bulldozer Tender	Dozer Tender	Fuel-100 Gal				

#### Resources

- Based on Capability
- Typing
  - Based on numerous intervention
     "Criteria"
- Type "1"
  - Is always the highest capability



- Three "Types"
- Based upon 13 Performance Criteria
  - Field Testing
  - Air Monitoring
  - Sampling
  - Radiological Detection
  - CPC Ensembles
  - CPC Gloves, Boots
  - Technical Reference
  - Special Intervention
  - Decontamination
  - Communications
  - Respiratory Protection
  - Training / Staffing

#### **HAZARDOUS MATERIALS COMPANY TYPES**

Components	Type 1	Type 2	Туре 3
	Known Chemicals	Known Chemicals	Known Chemicals
Field Testing	Unknown Chemicals	Unknown Chemicals	
	WMD Chem / Bio		
Air Monitoring	Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide Specialty Gases Hydrocarbon Liquid Vapors WMD Chem / Bio	Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide Specialty Gases Hydrocarbon Liquid Vapors	Combustible Gas Oxygen Carbon Monoxide Hydrogen Sulfide
Sampling:	Known Chemicals	Known Chemicals	Known Chemicals
Capturing Labeling	Unknown Chemicals	Unknown Chemicals	
Evidence Collection	WMD Chem / Bio		
Radiation	Gamma	Gamma	Gamma
Monitoring and	Capturing Labeling Unknown Chemicals Unknown Chemicals Unknown Chemicals Unknown Chemicals  Gamma Gamma Gamma Gamma Beta Beta Beta		
Detection	Alpha; Radionuclide		
	Liquid-Splash Protective	Liquid-Splash Protective	Liquid-Splash Protective
	Vapor Protective	Vapor Protective	
Chemical Protective Clothing:	Flash Fire Vapor Protective	Flash Fire Vapor Protective	
Ensembles	WMD Chem / Bio Vapor Protective		
	WMD Chem / Bio Liquid Splash Protective		
	NFPA Compliant Replacement	NFPA Compliant Replacement	NFPA Compliant Replacement
Chemical Protective Clothing: Gloves - Boots	Hi-Temp. Protective Gloves Cryogenic Protective Gloves Radiation Protection Gloves	Hi-Temp. Protective Gloves Cryogenic Protective Gloves	
	Printed and Electronic	Printed and Electronic	Printed and Electronic
Technical Reference	Plume Air Modeling, Map Overlays	Plume Air Modeling, Map Overlays	
	WMD Chem / Bio Sources		

### **RESOURCE TYPING**

**HAZ-MAT TEAMS (Continued)** 

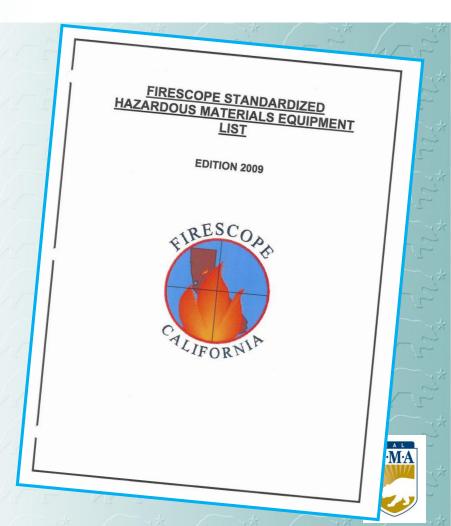
#### IN A NUT SHELL:

- Type 3 Known Industrial Chemicals (Liquids, Solvents, Powders)
- Type 2 <u>Unknown</u> Industrial Chemicals (Vapors, Gases, plus the above)
- Type 1 WMD / CBRN Capabilities
   (Nuclides, plus all the above)



# STANDARDIZED EQUIPMENT LIST (SEL)

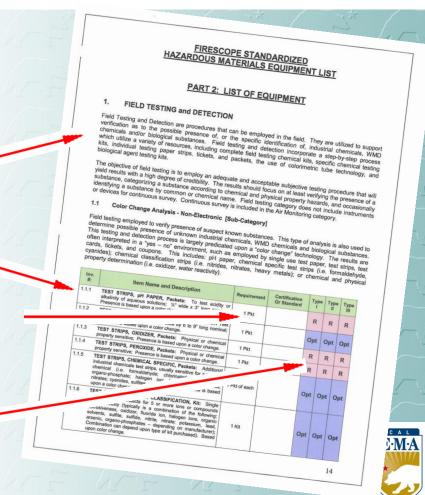
- In 3 "Parts"
  - Introduction/Use
  - Equipment List
  - Appendicies (Eight)



# STANDARDIZED EQUIPMENT LIST (SEL)

#### PART 2 of SEL

- Equipment List Section
- Includes a "Ground Floor" description for each Criteria
- Includes itemized listing of equipment, each with its own specific description
- Indicates Minimum Requirement
- Indicates if the specific equipment item is required for each Team Type



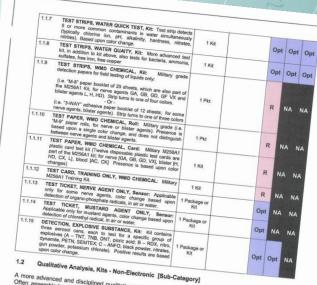
## STANDARDIZED EQUIPMENT LIST (SEL)

 Some of the 13 Criteria Sections are divided into smaller Sub-Sections

#### PART 2: LIST OF EQUIPMENT 14

1.	FIELD TESTING and DETECTION	14
1.1	Color Change Analysis - Non-Electronic [Sub-Category]	14
1.2		
1.3	Qualitative Analysis, Kits - Electronic [Sub-Category]	
1.4	Colorimetric Analysis - Non-Electronic [Sub-Category]	17
1.5	WMD Biological Detection - Electronic	17
2.	AIR MONITORING	18

 Each with its own defining description



A more advanced and disciplined qualitative analysis that incorporates numerous step-by-step procedures. A more auvanceu amo inscrimino quamanive analysis unar incurporates runnerous step-oy-step procedures.

Often assembled and marketed as complete stand-alone kits to detect presence of specific chemicals or Orien assentined and managed as complete stand-alone kits to detect presence of specific chemicals or verify chemical classes based on hazards, these kits are a compilation of numerous test procedures which verify chemical classes bised on hazards, these kits are a compilation or numerous test procedures which are also based upon color change comparison, including color changes in a liquid medium. Their inventory may incorrected classification papers and test strins, sansar tickets, a wide rance of reacent visits, some are also based upon color change comparison, incurding color changes in a report intersion. These intersions may incorporate detection papers and test strips, sensor tickets, a wide range of reagent value, some colorimation tubes, and sten-hu-sten instruction broaklast. Testing a known or unknown in secondarce to a may incorporate detection papers and test strips, sensor soxets, a write range or reagent value, some colorimetric tubes, and step-by-step instruction booklets. Testing a known or unknown in accordance to a Continients tupes, and step-dy-step institution occurrent. I using a known of unknown in accordance of may incorporate numerous test procedures, and each test procedure may include numerous.

1.2.1	Item Name and Description  INDUSTRIAL CHEMICALS, KNOWN, Qualitative: Test Kirlindustrial characteristics and industrial characteristics and industrial characteristics.	Requirement	Certification Or Standard	Туре	Туре	Тур
2.2	INDUSTRIALCHEMICALS LINKNOWN	- 144		NA	11	111
	Qualitative: Test Kit. industrial analysis, For testing and detection of unknown industrial chemicals, not for biological substances. (Usually the reaction of the kits listed in # 1,2.1). If included in inventory, satisfies requirement for 7,2.1. If included in inventory, satisfies requirement for 7,2.7.	1 Kit			NA	R
			- 1	R	R	Opt



# STANDARDIZED EQUIPMENT LIST (SEL)

- STANDARDS and CERTIFICATIONS
  - The SEL also indicates if any other certifying requirement applies to the specified equipment item, such as:















# STANDARDIZED EQUIPMENT LIST (SEL)

#### SOME EXAMPLES







Inv. #:	Item Name and Description	Requirement	Certification Or Standard	Type	Type	Type
5.2.1	LIQUID SPLASH PROTECTIVE, NFPA 1992; Industrial Chemicals for liquid contact and splash protection (no vapor protection), can be jumpsuit style or multi-piece ensemble depending on manufacturer design.	6 – Type I Company	NFPA 1992	R	R	R
5.2.2	LIQUID SPLASH PROTECTIVE, with NFPA 1994 Class 3 WMD Chemical / Biological Protection: A separate NFPA 1994 Class 3 WMD Chemical / Biological Protection Ensemble which provides for liquid separate provides a lesser / Local Control of the control	4 – Type II Company	NFPA 1994, Class 3	R	Opt	NA

9.1.3	Durange (and suitable for Destinidas). Must be NON OLAY	Container (Not "kittv	OSHA 29CFR 1910.119. or	D	D	Out
	posticidos Naminal siza E 10 lha dispensas have as here	atomaceous arth) (Rev2008)	EPA 40CFR170 (Rev2008)	K	K	Opt

016	FIRE EXTINGUISHER, CLASS "D", Sodium Chloride	Must have at least ONE.	FM Approval	-	-	-
9.1.7	FIRE EXTINGUISHER, CLASS "D", Copper compound formulation: Capacity 30 Lbs minimum; suited for lithium, lithium alloys.	these two types will satisfy.	FM Approval	R	R	R

#### **HMRT INSPECTION PROGRAM**

- LETTER OF INVITE
- REQUEST AN INSPECTION
- IDENTIFY A "POINT OF CONTACT"
- SELECT RECOMMENDED DATE
- REVIEW INFORMATION PACKET
- REVIEW CD
- EQUIPMENT DISPLAY
- INSPECTION PROCESS
- DOCUMENTATION



## **HMRT INSPECTION PROGRAM CALL FOR AN INSPECTION**

#### LETTER OF INVITE

 From State Fire & **Rescue Chief** 

"It will give the system a more accurate picture of what resources are available in the State for Mutual Aid"

Kim Zagaris, Chief Fire & Rescue Branch



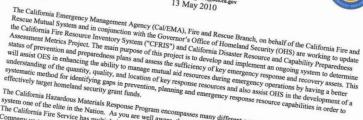


#### CALIFORNIA EMERGENCY MANAGEMENT AGENCY

Fire and Rescue Branch 3650 Schriever Ave Mather, CA. 95655 Phone (916) 845-8711

Night-Weekends: (916) 845-8911 Fax: (916) 845-8396 E-Mail: OES Fire@oes.ca.gov 13 May 2010





The California Hazardous Materials Response Program encompasses many different components that make California's The California mazaruous materiais response riogram encompasses many unterent components mat make Cantonnia's system one of the elite in the Nation. As you are well aware, the system foundation is based on the local agency's capability. system one or the enterin the roanon. As you are well aware, the system roundation is based on the local agency sear The California Fire Service has multiple levels of hazardous materials response capabilities from the single resource Company up to a FIRESCOPE ICS-HM-120-1 Type-I team.

Local government fire agencies currently support various levels of Hazardous Materials response teams. The members of Local government the agencies currently support various sevens of Hazardous statemats response teams. The memoers of these Response teams devote many hours of training and personnel commitment to making California the most professional

I would ask you to take a moment to consider viewing the following documents that describe the ICS-HM-120-1 Hazardous I would ask you to take a moment to consider viewing the following documents that describe the ICS-HM-120-1 Hazardous Materials (HazMat) Program and the various levels of capability identified by FIRESCOPE, http://www.firescope.org/icsmateriats (riazmat) regram and me various severs or capatinity tocannest by riace-out resulting manuals/ICS-HM-120-1.pdf, http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pdf

In the typing of Type-3, 2, and Type-1 units as an example, the equipment and training requirements are very specific. Due In the typing of 1ype-3, 2, and 1ype-1 units as an example, the equipment and training requirements are very specific to the complexity of these types of resources, this office is prepared to continue the task of typing resources for local to me complexity of mese types of resources, his office is prepared to commute the lass via a government who feel they have met or exceed the classifications identified in the Program.

The inspection and typing of resources for Haz-Mat will be conducted by Cal/EMA Fire and Rescue/Haz-Mat staff members. In the inspection and typing of resources for Haz-Mat will be conducted by Callenda Fire and Rescue/Haz-Mat staff members.

Agencies that wish to be included in this process and plan on providing Mutual Aid Haz-Mat resources should submit a letter Agencies that wish to be included in this process and plan on providing Mutual Aid Haz-Mat resources should submit a Room on agency letterhead to the Kim Zagaris, State Fire and Rescue Chief, Cal/EMA Fire & Rescue requesting to schedule a on agency letterhead to the Kim Zagaris, Mate Fire and Rescue Unier, Cauema Fire & Rescue requesting to schedule a typing assessment. If you need further information about the Haz-Mat typing program, contact the Assistant Chief Jan

Remember by typing the Haz-Mat resources, it will give the system a more accurate picture of what resources are available in Remember oy typing the thiz-rotal resources, it will give the system a more accurate picture of what resources are available the State for Mutual Aid. It will also provide the Fire and Rescue Mutual Aid System with the location of known resources the state for Mutual Aid. It will also provide the Fire and rescue nutural Aid bystem with the location of known resources that could be used in a Haz-Mat incident as single resources or to support a Hazardous Materials Incident. I encourage you to mar cound be used in a riaz-man incident as single resources or to support a riazardous materials incident. I encourage consider this process and ask for any assistance you may need in achieving the level of certification you may wish to consider uns process and asset or any assistance you may need in acmeving the level of certification you may wish to maintain. Thank you for continuing to make the California Fire & Rescue Mutual Aid System an elite model for others to

ORGINAL ON FILE

KIM ZAGARIS. State Fire and Rescue Chief



## **HMRT INSPECTION PROGRAM** REQUEST AN INSPECTION

#### **ON AGENCY LETTERHEAD**

From Fire Chief

"The City of Fresno Fire Department would like to request an assessment inspection for the typing of resources as part of the Californian Fire Resources Inventory System"



Randy R. Bruegman

Fresno, California 93721 (559) 621-4199 FAX (559) 498-4261

August 4, 2008

Kim Zagaris, State Fire and Rescue Chief Office of Emergency Services, Fire and Rescue 3650 Schriever Avenue Mather, CA 95655

Dear Chief Zagaris:

The City of Fresno Fire Department would like to request an assessment inspection for the typing of resources as part of the California Fire Resource Inventory System ("CFRIS"). Staff has reviewed the information provided by the Office of Emergency Services related to mandated training, staffing, and equipment. At this time, staff believes the Department meets the qualifications listed for the California Hazardous Materials Response Capabilities Typing for Hazardous Materials Response Type 1 and Hazardous Materials Type 3 Teams. Staff anticipates the development of an additional Hazardous Materials Response Type 1 Team will occur in August 2008.

Please arrange for the field inspection through Battalion Chief Chuck Tobias at (559) 240-2272 or Captain Steven Byers (559) 905-7523, Hazardous Materials Sincerely,

Randy Bruegman, Fire Chief RRB/JLA:ls

RECEIVED

AUG 0 7 2008

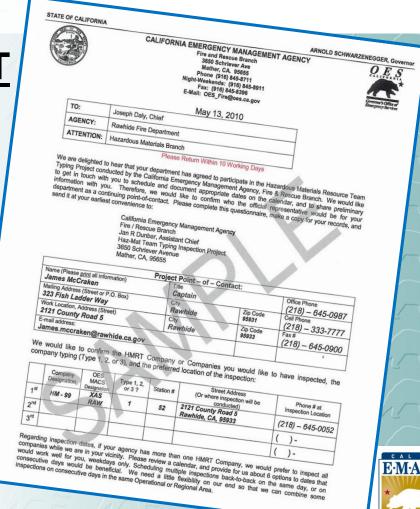
OES FIRE & RESCUE



# HMRT INSPECTION PROGRAM POINT-OF CONTACT PERSON

#### **IDENTIFIES A LEAD POINT**

- To whom information is to be sent
- Identifies Unit
- Identifies inspection Type
- Identifies Location
- Opens paper and electronic files



# HMRT INSPECTION PROGRAM SELECT INSPECTION DATE

#### **SEVERAL MONTHS IN ADVANCE**

- There is no rush
- Convenient to the "client"

		Recomme	nded Inspecti	on Dates	Are As Follows:		
Choice:	Date: (mm-dd-yy)	Day:	Timeframe:	Choice:	Date: (mm-dd-yy)	Day:	Timeframe:
1 <sup>st</sup>	11-01-12	Mon	AM PM	4 <sup>th</sup>	01-22-13	Mon	AM
2 <sup>nd</sup>	11-02-12	Tue	AM	5 <sup>th</sup>	02-21-13	Mon	AM
3 <sup>rd</sup>	12-25-12	Fri	PM	6 <sup>th</sup>	04-27-13	Wed	AM PM

We will contact you to let you know what specific day or days, and timeframe would work best for us. Timeframes are morning (0830 – 11:30) or afternoon (13:30 to 16:30). Inspection of one HMRT company takes about 2 to 3 hours.

To assure that you are ready for inspection, we recommend that you review the FIRESCOPE Standardized Hazardous Materials Equipment List, which is posted on the FIRESCOPE web-page <a href="http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pdf">http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pdf</a>. Further, Appendix "A", "B", and "C" can be used as a self-check. We will be using these same forms during the inspection process.



# HMRT INSPECTION PROGRAM REVIEW INFORMATION PACKET

# INSPECTION PROGRAM BULLETINS

- Aids in preparing for a Haz-Mat Team Typing inspection
- 30 Bulletins

- BULL#1-SEL-EQUIP UpdateFIRESCOPElist
  BULL#2-SEL-EQUIP UpdateSOURCElist
- BULL#3-ProblemWithFAXdigital
- BULL#4-WMDequivCLASSES
- BULL#4-WMDequivCLASSES web page info
- BULL#5-WMDequivCRITERIA
- BULL#6-CPCcertifiedLISTS
- BULL#7-CPClabelingREQUIRE
- BULL#8-WMDlabelingREQUIRE
- BULL#9-GLOVEreplacements
- BULL#10-BOOTlabelingREQUIRE
- BULL#11-NeutralizMemo
- BULL#12-AbsorptionPesticides
- BULL#13-AbsorptionFormaldehyde
- BULL#14-AbsorptionSolvents
- BULL#15-IntrinsicSafe
- BULL#16-SCBAnioshLABEL
- BULL#17-CANNISTERcolorCODE
- BULL#18-STENCILINGstandard
- BULL#19-EPA Protocols A and B
- BULL#20-Mutual Aid Roster
- BULL#21-HM Inspection Request
- BULL#22-HM Inspection Process
- BULL#23-RKB and AEL
- BULL#24 Grant Rules
- BULL#25-Container Proper Markings
- BULL#27 Incident Action Plan IAP
- 💾 BULL#28 Relmbursement Rates
- BULL#29 Team Typing, Explained
- 🖳 BULL#30 Strike Team Leader Manual

# **HMRT INSPECTION PROGRAM REVIEW INFORMATION PACKET**

### **EXAMPLES**

STATE OF CALIFORNIA

CALIFORNIA EMERGENCY MANAGEMENT AGENCY 3650 Schriever Ave Mather, CA. 95655 Phone (916) 845-8711

Night-Weekends; (916) 845-8911 Fax: (916) 845-8396 E-Mail: OES Fire@oes.ca.gov

March 11, 2010

Fire & Rescue Branch Hazardous Materials Section

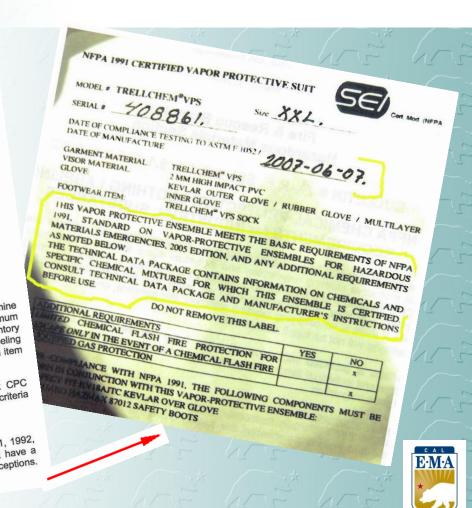
BULLETIN #7 - R.E. SEL # 5.1.1, 5.1.5, 5.2.1, 5.2.2

#### NFPA CHEMICAL PROTECTIVE CLOTHING LABELING REQUIREMENTS for INDUSTRIAL SUBSTANCES

During a typical Haz-Mat Team Typing inspection, the inspection team will look and examine ourning a typical maz-wat ream ryping inspection, the inspection team will look and examine chemical protective clothing ensembles and individual items to assure they meet minimum. NEPA CPC Standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory NFPA CPC Standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory requirements. Further, the inspection team will verify that the CPC have certifying labeling requirements. Further, the inspection team will verify that the CPC have certifying labeling attached. If there is no certifying labeling attached, the garment, ensemble, or individual item

This bulletin is provided with information we hope will be helpful in assuring that CPC This pulletin is provided with information we nope will be neighbor in assuring that CPC ensembles and individual items being considered for purchase do indeed meet labeling criteria in all likelihood will not be found acceptable.

<u>Garment Ensembles:</u>
The National Fire Protection Association (NFPA) mandates in their Standards # 1991, 1992, and 1994 that ensembles meeting the testing criteria of a specified standard must have a and will pass inspection. and 1994 that ensembles meeting the testing criteria of a specified standard must have a certifying label attached to the inside of the certified suit ensemble. There are no exceptions. Typical NFPA wording excerpted from a standard reads in-part as follows:



## **HMRT INSPECTION PROGRAM** REVIEW INFORMATION PACKET

#### **EXAMPLES**

**Bulletin # 21 explains** the procedures on how to request a **Haz-Mat Team Typing** Inspection





#### CALIFORNIA EMERGENCY MANAGEMENT AGENCY

Fire and Rescue Branch 3650 Schriever Ave Mather, CA. 95655 Phone (916) 845-8711 Night-Weekends: (916) 845-8911 Fax: (916) 845-8396 E-Mail: OES Fire@oes.ca.gov



August 18, 2009

#### Fire & Rescue Branch **Hazardous Materials Section**

#### **BULLETIN #21**

#### PROCEDURES FOR REQUESTING A HAZ-MAT TEAM TYPING INSPECTION

FIRST: The most important initial step is to be sure that the requesting agency be absolutely familiar FIRST: The most important initial step is to be sure that the requesting agency be absolutely latinuar with the FIRESCOPE Standardized Equipment List (SEL), which can be accessed, downloaded, and

#### http://www.firescope.org/ics-hazmat/pos-manuals/haz-equiplist.pd

Part Two of the SEL contains a wealth of information. The SEL is divided into 13 Sections, with each section individually defined with regard to a specific intervention criteria. Within each Section (and with regard to a specific intervention criteria. security maintributing definited while regard of a specific finite verticals. Within each Security (and sub-Sections), the individual equipment items listed are further described and defined with regard to an additional substitution of the security of th use, application, performance, and number required. Lastly, the SEL also may indicate any additional use, apprication, performance, and number required. Lasery, the oct. also may indicate any accounting equirements of the specified equipment item with regard to compliance to standards (i.e. Prah 1991, 1992). 1992, and 1994), or certifications (i.e. Underwriter's Laboratories Intrinsically Safe testing criteria). During an inspection, each of these requirements will be reviewed.

- SECOND: When an agency feels they are reasonably close to satisfying the requirements of the SEL, SECOND: When an agency reets truey are reasonably close to satisfying the requirements or time at they are to submit an official "Letter of Request" for a hazardous materials team typing Inspection.
  - Be on the requesting agency's official letterhead.
  - Be issued / signed by the Chief of the department or a designee (Deputy Chief, Assistant

  - be union, unity a tent paragraphie.

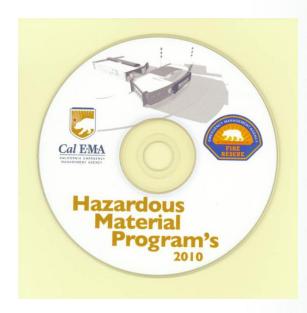
    Indicate interest by the requesting agency in participating in the Cal/EMA Fire & Rescue
- District industrial minutes and program.

  Indicate a designated "Point Of Contact" person for all future communications
- THIRD: Upon receipt of the "Letter of Request", the following steps will be initiated / followed:
  - A file will be opened in the name of the requesting agency. A de-page "Point Of Contact" letter will be sent to the requesting agency, prompting for
    - additional information regarding communication contact information. Please provide complete
    - The unit(s) to be typed, indicated by their regular departmental designation. Their street address location(s) including ZIP:
    - The level of team typing (Type 1, Type 2, or Type 3) requested;

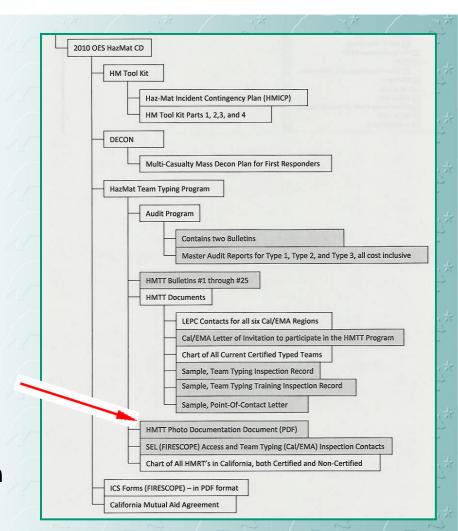


# HMRT INSPECTION PROGRAM REVIEW CD

# AIDS IN PREPARING FOR INSPECTION



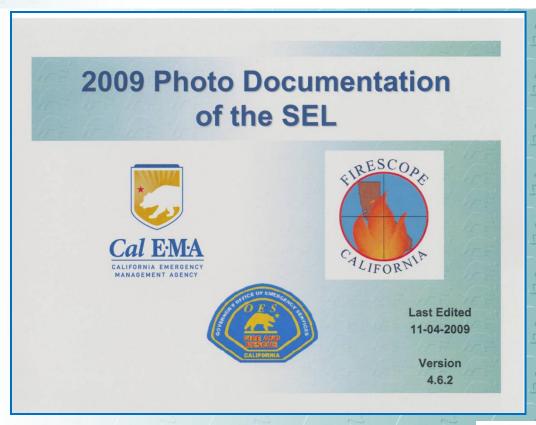
- Contains numerous helpful files
- Tons of other additional information



# HMRT INSPECTION PROGRAM REVIEW CD

#### **FOR EXAMPLE**

- Photo Documentation of Equipment
- Contains photos, pictures, or drawings of every inventory item in the FIRESCOPE SEL
- 256 Page
- Is on the CD





# HMRT INSPECTION PROGRAM PHOTO DOCUMENT

### **Field Testing & Detection**

(Color Change Analysis - Non-Electronic)

Test Strips, pH Paper, Packets (pH "0" to pH "14")







# HMRT INSPECTION PROGRAM PHOTO DOCUMENT

### **Air Monitoring**

(Specialty Gas Capabilities)

#### **Halogen Gases**

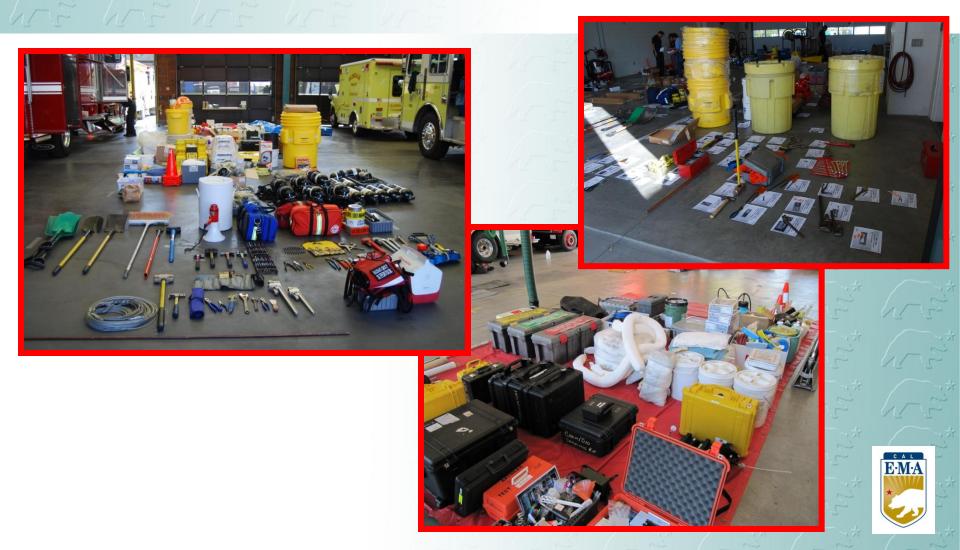
Chlorine is Required, other Halogen Gases Optional







# HMRT INSPECTION PROGRAM EQUIPMENT DISPLAY



# HMRT INSPECTION PROGRAM INSPECTION PROCESS

Compliance to the SEL is documented



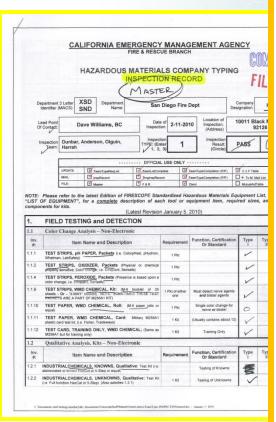




# HMRT INSPECTION PROGRAM INSPECTION PROCESS

#### Inspection Record

- Is a 16 page document
- Lists all SEL equipment items
- And categorized by "Type"
- Documents a "Pass" or a "Fail"
- Inspection takes about 2 to 3 ½ hours



					FIRE & RESC	UE BRANC	GEMENT A				
		j	HAZ		MATERIA NSPECTI		IPANY TYP	ING			
De	epartment Identifier (	3 Letter MACS):	х	Department Name:					mpany nation:		
	ead Point Contact:				Dat Inspec	e of tion:	Location of Inspection: (Address)				
Ir	nspection Team:				TYPE: (E:	nter 2	Inspection Result: (Circle)	P/	ASS	F	AIL
	1				OFFICIA	L USE ONLY					
	1	UPDATE:		reamTypeReqList	☐ TeamListCo		TeamTypeCompletion (P/F		Q & F Tabl		
		MAIL: FILE:		nspRecord Asster	☐ TmgInspRec		TeamTypeCompletion (P/F		+ To M. M.		
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1.1	FIELI	TEST			TION	on May 13,	2010)				
	FIELI	O TEST	nalysis	and DETECT	TION	Requiremen	Especial Contilla		Type I	Type II	Тур
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# HMRT INSPECTION PROGRAM INSPECTION PROCESS

#### De-Briefing

- Concludes the Inspection
- Briefly discusses prognosis
- Official documents will be mailed
- "Where do we go from here?"

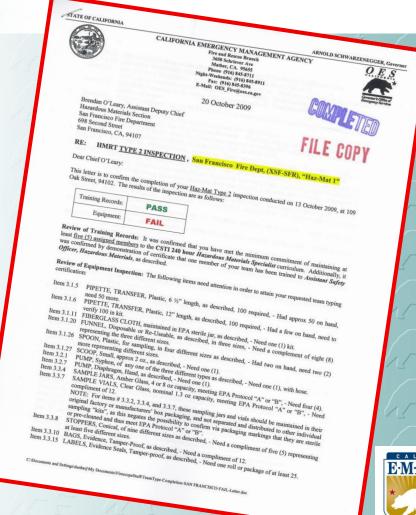






# HMRT INSPECTION PROGRAM DOCUMENTATION

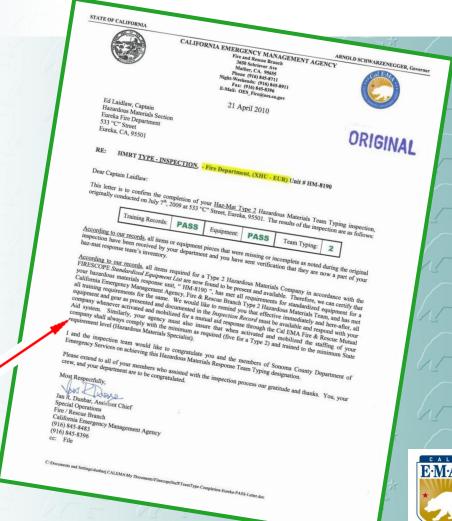
- After-Inspection
   Report
  - --- if **FAIL** ---
- Lists all missing items that need to be acquired
- Documents Training Record Compliance
- Explains how to "Catch Up"
  - Copies of P.O.'s, photocopies, photographs
- Discusses funding sources



 After-Inspection Report

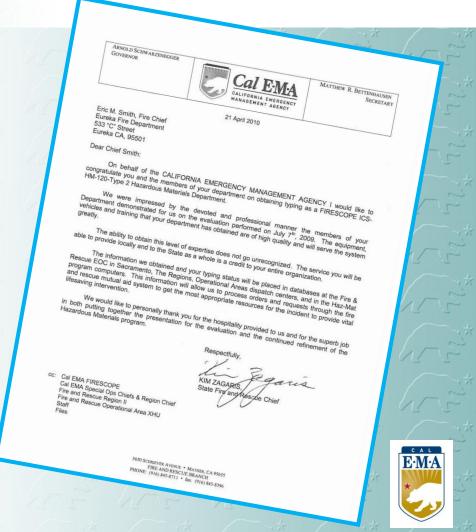
--- if PASS ---

- Certifies that HM Unit has met minimum requirements
- Certifies Team "Type"
- All equipment as inspected must respond upon "Activation"
- "..your agency must also insure that when activated and mobilized the staffing of your company shall always comply with the minimum as required (five for a Type 2).."



#### Congratulatory Letter

- From Fire & Rescue Branch Chief
- Addressed to the Chief of the respective agency
- Unit is placed in State Mutual Aid Database
- Contact information is added to Master Mailing lists



#### Teams That Have Been Typed and Certified

	CERTIFIED HAZ-MAT TEAMS, BY	TYPE (Items in RED is no	w data sin	ce la st update)	- AS OF 5/14/	10
	AGENCY	Operational and Local Identifier	Region	Unit Designation	Attained	Zip Code
	Roseville City Fire	XPL-RSV	IV	HM-1	10-26-06	95678
	Sacramento City Fire	XSA-SCR	IV	HMRT-7	12-27-06	95823
	Sacramento City Fire	XSA-SCR	IV	HMRT-30	12-28-06	95835
	Sacramento Metro F.P.D.	XSA-SAC	IV	HM-109	7-13-06	95608
	Alameda County Fire	XAL-ACF	- II	HM-12	3-10-08	94546
TYPE	Santa Clara County Fire	XSC-CNT	ll l	HM - 2	12-16-09	95403
1	Glendale City Fire	XLC-GLN	- 1	HM-24	2-26-08	91204
	Vemon City Fire	XLE-VER	- 1	HM-151	5-14-09	90058
	U.S. Marin Corp Camp Pendleton	XSD-MCP	M	HazMat 1	3-13-08	92055
	Fresno City Fire	XFR-FRN	V	HMRT-16	11-20-07	93722
	Fresno City Fire	XFR-FRN	V	HMRT-1	11-4-08	93703
	Clovis City Fire	XFR-CLV	V	HM-40	5-1-09	93611
	Contra Costa County JPA	XCC-CCH	- II	?	11-1-07	94553
	San Ramon Fire Prot. Dist	XCC-SRM	ll l	HM-35	6-19-09	94506
	Truckee Fire Prot. District	XTB-TRK	IV	HM-1	10-6-08	96161
[	Marin County Fire Haz-Mat JPA	XMR-MRN	- II	HM-1	7-22-09	94945
TYPE	Merced County F.D.	XMD-MRD	V	HM-62	5-09-09	95301
2	Sonoma County Dept of Emer Serv.	XSN-SSR	- II	HM-2936	11-02-09	95403
	Butte County Fire	XBU-BUT	III	HM-1	4-1-10	95926
	Butte County Fire	XBU-BUT	III	HM-64	4-1-10	95926
	Eureka Fire	XH U-E UR	II	HM-8190	4-21-10	95501
TYPE 3	Long Beach Fire	XLF-LOB	1	HM-24	2-26-08	90802



### Inspection Results

	HAZ-MA	T TEAM TYP	ING - IN	SPECTI	ON RES	JLTS Q	UICK G	LANCE	- AS	OF 12 O	ctober 2	2010				
	INSPECTION	IN SPE	CTIONS CO	NDUCTE	)				INSPEC	TION RES	SULTS					
REGION	REQUESTS				TOTAL	Towns 4	T 2	T 2	Тур	ne 1	Туј	pe 2	Тур	pe 3	TOTAL	TOTAL
	RECEIVED (Agency Letter)	Conducted	Type 1	Type 2	Type 3	Pass	Fail	Pass	Fail	Pass	Fail	PASS	FAIL			
1	14	6	5		1	5	0			1		6	0			
II	19	17	4	11	2	2	2	6	5	1	1	9	8			
III	5	3		2	1			2			1	2	1			
IV	5	5	4	1		4		1				5				
V	7	6	3	3		3		2	1			5	1			
VI	4	3	3			1	2					1	2			
TOTALS	<del>54</del>	40	19	17	4	<mark>15</mark>	4	11	6	2	2	28	12			
The	These Must Jive:			40				4	40			40	)			



#### MOBILIZATION

- BULLETIN # 20 (6 pages)
- What happens after we pass typing inspection?
- What are "Resources"?
- What is the "Response" criteria?
- What is the "Staffing"
- What do we do when we "get there"?
- Are there "Special Forms" we should use?
- How should we prepare for a possible activation?

STATE OF CALIFORNIA

ARNOLD SCHWARZENEGGER, Governo



CALIFORNIA EMERGENCY MANAGEMENT AGENCY
Fire and Resue Branch
3650 Schriever Ave
Mather, CA. 95655
Phone (916) 345-3711
Night-Weckendt: (916) 345-3911



December 9, 2009

Fire & Rescue Branch Hazardous Materials Section

#### **BULLETIN #20**

CALIFORNIA STATE HAZ-MAT MUTUAL AID ROSTER
and
HMRT MOBILIZATION

#### WHAT HAPPENS AFTER WE PASS THE HAZ-MAT TEAM TYPING INSPECTION

Those agencies that have passed the Cal/EMA Fire & Rescue Branch Hazardous Materials Team Typing inspection and have achieved a Haz-Mat Type 1, Type 2, or a Type 3 certification, the specified Company (your agency numerical designation for the unit) is then added to the Haz-Mat Team Mutual Aid Roster. It is an EXCEL table that is maintained by Fire & Rescue Branch, Special Operations. It is important that we indicate each Company by proper Operational Area three-letter designator (i.e. XKE for Kern County Operational Area) and the agency's three-letter designator (i.e. BKF for Bakersfield Fire Dept). Certified teams are also identified by Zip Code number as this identifies a geographical area. All this information is helpful in order to accurately indicate positioning of the Company on GIS over-lays of the State of California. Zip codes are further helpful to determine closest units to an event, and to determine estimated response distances and probable response times.

This EXCEL table is accessible by all Chief Officers of the Fire & Rescue Branch, FIRESCOPE and the Warning Center. Similar EXCEL tables are maintained for the Swift Water Rescue teams, and the Urban Search & Rescue teams. A few examples are shown in the facsimile table below:

1919	AGENCY	Operational and Local Identifier	Region	Unit Designation	Attained	Zip Code
	Roseville City Fire	XPL-RSV	IV	HM-1	10-26-06	95678
TYPE 1	Sacramento City Fire	XSA-SCR	IV	HMRT-7	12-27-06	95823
,,,,,	Alameda County Fire	XAL-ACF	II	HM-12	3-10-08	94546
	Glendale City Fire	XLC-GLN	1	HM-24	2-26-08	91204
0.00	Contra Costa County JPA	XCC-CCH	- 11	(ID)	11-1-07	94553
TYPE 2	San Ramon Fire Prot. Dist	XCC-SRM	- II	HM-35	6-19-09	94506
	Truckee Fire Prot. District	XTB-TRK	IV	HM-1	10-6-08	96161
TYPE 3	Long Beach Fire	XLF-LOB	1	HM-24	2-26-08	90802

WHO PARTICIPATES IN THE STATE-WIDE HAZARDOUS MATERIALS MUTUAL AID PROGRAM?

C:\Documents and Settings\dunbarj\My Documents\FirescopeStuff\Bulletins\BULL#20-Mutual Aid Roster.doc

#### MOBILIZATION

- What are "Resources"?
- A Single Company Resource.\* The request is for just one certified Haz-Mat Team company.
- A Haz-Mat Task Force.\* The request is for several (usually up to five) resources but with different levels of typing, and a Task Force Leader. The Task Force may be pre-assembled and caravan to the incident, or may be directed to respond directly to the incident and form into the specified Task Force upon arrival.
- 3. A Haz-Mat Strike Team.\* The request is for several (usually up to five) resources all with the same level of typing (i.e. all Type 1), and a Strike Team Leader. The Strike Team may be pre-assembled and caravan to the incident, or may be directed to respond directly to the incident and form in the specified Strike Team upon arrival.



### MOBILIZATION

What is the "Response" criteria?

Response Mode	Time Frame	Criteria
INITIAL ATTACK: Code Three	Respond Instantly at time of activation request and dispatch (As quickly as is possible)	<ul> <li>Life and property imminently threatened</li> <li>Closest available resources within operational area or adjacent operational area</li> <li>Resources to rendezvous at the incident</li> </ul>
IMMEDIATE NEED: Code Two or Three	Respond within 30 minutes of activation request and dispatch	<ul> <li>Life and property threatened</li> <li>Any available resources within operational area or adjacent operational area</li> <li>May or may not rendezvous prior to departure</li> </ul>
PLANNED NEED: Normally Code Two	Planned Arrival (Usually within 2 hours of activation request and dispatch)	<ul> <li>Resources respond within the operational area, adjacent operational area, region, or the state.</li> <li>Response is planned for the next operational period or as determined by the requesting agency</li> <li>Usually will rendezvous prior to departure</li> <li>Caravan as a Task Force or Strike Team within the 2 hour time-frame</li> </ul>

### MOBILIZATION

- What is the "Staffing"?
  - The response unit must contain, at the time of the mobilization request, all of the equipment that was inspected for the units' Team Typing Certification. This may require the inclusion of an additional vehicle such as a trailer that contains some equipment and tools not otherwise included on the specified response unit.
  - 2. The response unit and the team as a whole, at the time of the mobilization request, must meet the type of team being requested, i.e. Type 1, Type 2, or a Type 3.
  - Staffing and training level of the Haz-Mat Team, at the time of the mobilization request, must conform to the FIRESCOPE hazardous materials chart on Hazardous Materials Company Types and Minimum Standards (Refer to the FOG Guide document ICS-420-1, Chapter 14):
    - Type 3 staffing five, to CSTI Hazardous Materials Technician (HMT)
    - Type 2 staffing five, to CSTI Hazardous Materials Specialist (HMS)
    - Type 1 staffing seven, to CSTI Hazardous Materials Specialist and CSTI Weapons of Mass Destruction (HMS-WMD)

#### MOBILIZATION

#### What do we do when we get there?

Upon arrival at the designated incident the Strike Team / Task Force Leader or the individual Haz-Mat Resources must report in. If instructed to report to a "Staging Area", find the Staging Area Manager and receive your assignments. If no Staging Area has been designated, locate the Command Post and check in with either the Incident Commander or the designated Liaison Officer to receive your briefing and assignments. In large events, Divisions and/or Groups may have been established, including a Hazardous Materials Group. In this case, the Strike Team / Task Force Leader or the Single Company Resource (Haz-Mat) Officer should be directed to report to the Haz-Mat Group Supervisor.

Please refer to and review the following documents for more information:

POSITION	DOCUMENT	PAGE
Strike Team / Task Force Leader	FOG ICS-420-1, Chapter 8	Page 8-5
Single Company Resource	FOG ICS-420-1, Chapter 8	Page 8-7
Hazardous Materials Group Supervisor	FOG ICS-420-1, Chapter 8 FOG ICS-420-1, Chapter 13	Page 8-4 Page 14-8

The entire Chapter 14 "Hazardous Materials" portion of the FIRESCOPE Field Operations Guide (ICS-420-1) should be well known and understood by the members of the mobilized hazardous materials resource. It contains complete descriptions and duties of all of the ICS positions within the Haz-Mat Group and their respective position check-off lists. Copies of the FOG can be accessed and downloaded at:

E·M·A

#### MOBILIZATION

Are there special forms?

#### ARE THERE SPECIAL FORMS AND CHECK-OFF LISTS FOR HAZ-MAT MUTUAL AID?

Yes. The most important packet of pre-designed forms are the standard FIRESCOPE ICS forms. There are about 26 different forms. Those most closely associated to the particular incident should be used. Your Task Force/Strike Team Leader should have a packet of them ready to go at all times. However, these forms are accessible at any time on the FIRESCOPE web page and are printable in PDF format.

http://www.firescope.org/ics-forms.htm



### HMRT INSPECTION PROGRAM BENEFITS of PROGRAM

#### Why Do We Want To Be Inspected?

- Guarantees pretty much the same equipment and tools on all teams
- Follows and compliments FIRESCOPE team resource typing concept
- Intervention capabilities are identical based upon standardized criteria
- All required training for each team type is certified and credentialed
- All similarly typed teams (Type 1, 2, and 3) are equivalent
- All teams speak same "language" and communicate together
- Should work together in the HM Group seamlessly
- All use the same ICS forms
- Follow same State-wide mobilization procedures as all other resources
- All assemble, respond, and report according to State Mutual Aid Plan



### **HMRT INSPECTION PROGRAM AUDIT PROGRAM**

**Inspection Results Are Converted To An Audit Report** 



tubes, sample taking tools, regular small hand tools, etc). Nor does it include many of the disposable items (disposable clothing, sponges, labels, pens, soaps, trash bags, pipettes, etc.).

This list DOES NOT contain the detailed descriptions and/or specifications for each item. Reference MUST be made This list DOES NOT contain the detailed descriptions arran specifications for each rest. Posterior model to the SEL, or to the Cal/EMA Fire & Rescue Hazardous Materials Company Typing Inspection Record for more in-

This list DOES include approximate cost values noted in U.S. Dollars for each inventory item. These costs are to be considered 'ball-park' figures only but should be within a very close range of actual prices. Exact cost of any specific item must be attained by contacting a vendor, distributor, or manufacturer. Variations in item estimate costs depend

To attain a Type 1 Team Certification 252 individual SEL inventory items are required. This reduced list represents only 166 items. Items found missing during the audit are indicated in red in the Total Cost column. Total estimated

-	SEL Item	Itom Dear 1	QUIPMEN	TITEM	0		
FIE		110	"Grant Programs	**RKB AEL No.	Required: (FIRESCOPE SEL)	Unit	Total
1	1.1.9	TEST STRIPS, WMD, M-8 Booklet of 25	1, 3, 6,		GEL	COSt	Cost
2		TEST STRIPS, WMD, M-9 Paper, Roll	7, 8, 9,	07CD01INPA	1 Packet	\$9	
		o, WMD, M-9 Paper, Roll	1, 3, 6, 7, 8, 9.	07CD01INTP		-	



### HMRT INSPECTION PROGRAM AUDIT PROGRAM

- Includes only medium to high cost items.
- Includes mostly only those items in the Federal "RKB AEL"\*.
- Includes RKB Numbers.
- Indicates qualifying grants.\_
- Includes FIRESCOPE typing requirement.
- Includes estimate cost of each item.

\*(Responder Knowledge Base Authorized Equipment List)

No.	SEL Item	Item Description	*Grant Programs	**RKB AEL No.	Required: (FIRESCOPE SEL)	Unit Cost	Tota
3	1.1.11	TEST PAPER, WMD, 12 Chemical Cards, Military M256A1 Kit	1, 3, 6, 7, 8, 9, 10	07CD01M256	1 Kit	\$250	
4	1.2.2	HAZ-CAT KIT, Unknowns	1, 3, 6, 7, 8, 9, 10	07CD01KLSV	1 Kit	\$4,560	
5	1.2.8	WMD, WATER TEST KIT, M272 or M273	1, 3, 6, 7, 8, 9, 10	07CD01KWTR	1 Kit	\$995	_
6	1.2.9	WMD, CHEMICALS, Test Kit M18A2 or M18A3, or CAD- C-2			1 Kit	\$1,600	
7	1.3.1 Or 1.3.2 Or 1.3.3	a. CHROMATOGRAPHY or b. SPECTROMETRY or c. SPECTROSCOPY	1, 3, 6, 7, 8, 9, 10	a. 07CD02DPGC b. 07CD01DPSI c. 07CD01DPIR or c. 07CD01DPRS	1 Kit	? \$64,655 \$95,000	
*	1.4.1 Or 1.4.3	COLORIMETRIC, Kit, Basic, or COLORIMETRIC, Kit, Chip, or COLORIMETRIC, Kit, Multi-Sensing	1, 3, 6, 7, 8, 9, 10	All 07CD01KCTC	1 Kit	\$795 or \$3,900 or \$1,000	
9	1.4.4	COLORIMETRIC, Kit, WMD Special (Cost varies based on Mfg)	1, 3, 6, 7, 8, 9, 10	07CD01KCTC	1 Kit	\$3,026 to \$4,000	
		BIOLOGICAL TESTING, Agent Specific: One of the following:	136	a. 07BD01PTST	1 Kit of	\$6,000	
10	1.5 2	a. Protein Fluorescence, or     b. Immuno-Assay, or     c. DNA Replication	7, 8, 9,	b. 07BD01KFAS c. 07BD02DNRN	either type	\$8,500 \$36,000	
AIR	MONITO	RING					
11	2.1.1	depending on quality, versatility, functions)	1, 3, 7,	03SR03KMON Or 07CD01DPMG	1 Kit	\$535 to \$3,695	
12	2.1.2	CALIBRATION KIT, for # 2.1.1		07CD01DFMG	1 Kit	\$210 to \$265	
13	2.2.1	TOXIC VAPOR Monitoring (Can be same unit as 2.1.1)	1, 3, 6, 7, 8, 9,	07CD01DPFI Or 07CD01DPFP	1 Unit or capability	\$3,550 to \$4,500	
		AROMATIC HYDROCARBONS (Can be same unit as	100000	07CD01DPPI	1 Unit or		
14	2.2.2	2.1.1 or 2.2.1)			capability	\$3,550	
15	2.2.4	CALIBRATION KITS, for # 2.2.1, # 2.2.2  AMMONIA GAS (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4)	1, 3, 6, 7, 8, 9, 10	07CD01MONO	1 Unit Ea 1 Unit or capability	9 \$471 to \$599	?
		EDECANO (D. 62	1, 3, 6,		4 Halkan	\$197 to	
"	2.0.2	2.2.1 or 2.3.1 thru 2.3.4)	10	0100011110110	capability	\$750	
18	2.3.3	HALOGEN GASES, Especially Chlorine (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4)			1 Unit or capability	\$377 to \$525	
19	2.3.4	PHOSPHINE (Can be same unit as 2.1.1 or 2.2.1 or 2.3.1 thru 2.3.4)	1, 3, 6, 7, 8, 9, 10	07CD01MONO	1 Unit or capability	\$377 to \$645	
20	2.3.16	CALIBRATION KITS, As needed, for # 2.3.1, 2.3.2, 2.3.3, 2.3.4			1 Kit Ea		
_		NEDVE ACENT DETECTION			100		
21	2.4.1	NERVE AGENT DETECTION,	-				
21 22 23	2.4.1 2.4.2 2.4.3	BLISTER AGENT (Mustards) DETECTION BLISTER AGENT (Lewisite) DETECTION	1. 3. 6.	07CP			



## HMRT INSPECTION PROGRAM AUDIT PROGRAM

- A "High", "Low", and "Median" total is calculated.
- The "Median" estimate is forwarded to the OHS side of Cal-EMA.
- OHS manages distribution of all federal equipment grants.
- OHS assembles "Unspent" grant monies.
- Awards them to agencies for whom we have completed an "Audit Report".

No.	SEL Item #	Item Description	*Grant Programs	**RKB AEL No.	Required: (FIRESCOPE SEL)	Unit Cost	Total Cost
154	13.3.6	NON-SPARKING, Hammer, Sledge, 7 to 10 Lbs (Cost varies depending on weight)			1	\$155 to \$180	\$155 To \$180
155	13.3.7	NON-SPARKING, Hammer, Claw, 20 to 24 oz (Cost varies depending on weight)		1	\$64 to \$91	\$64 To \$91	
156	13.3.10	NON-SPARKING, Screwdriver Set, Chisel Point	3 Diff Sizes		\$85 - \$135	\$85 To \$135	
157	13.3.11	NON-SPARKING, Screwdriver Set, Phillips Point	1, 2, 3,	All "Non- Sparking" tools fall under the	3 Diff Sizes	\$75 - \$155	\$75 To \$155
158	13.3.12	NON-SPARKING, Pliers, Ordinary, Utility	4, 7, 8, 9, 10	following RKB AEL Number:	1	\$60	\$60
159	13.3.13	NON-SPARKING, Pliers, Wire, Side-Cutting	9, 10	ALL Number.	1	\$115	\$115
160	13.3.14	NON-SPARKING, Pliers, Long-Nose	]	03OE04KTTL	1	\$95	\$95
161	13.3.17	NON-SPARKING, Wrench, Bung, Universal	]	00020-11112	1	\$116	\$116
162	13.3.18	NON-SPARKING, Wrench, Crescent, Adjustable (Cost varies depending on size range)			2 Diff Sizes	\$80 to \$108	\$160 To \$216
163	13.3.20	NON-SPARKING, Wrench, Pipe, Adjustable (Cost varies depending on size range)			2 Diff Sizes	\$150 to \$205	\$300 To \$410
164	13.3.26	NON-SPARKING, Knife, Putty			1	\$7	\$7
165	13.3.27	NON-SPARKING, Shears, Cutting	- 4		1	\$113	\$113
166	13.3.30	REFRIGERATOR, Utility, Small (Cost depends on brand, quality)	1, 2, 3, 5, 7, 13	19GN00RFGR	1	\$750 to \$1250	\$750 To \$1,25
					LC	OW END	\$234,0
			700		HI	GH END	\$400,5
			777			WEDIAN	\$317.3

Developed 01 May 2009.

Revised 5 January 2010

- \* Specific <u>Grant Programs:</u> Grant Programs for which the specified item may be allowable (per the FEMA "Responder Knowledge Base" (RKB) Authorized Equipment List (AEL).
- 1 = SHSP/UASI State Homeland Security Program/Urban Area Security Initiative
- 2 = LETPP Law Enforcement Terrorism Prevention Program
- 3 = MMRS Metropolitan Medical Response System
- 4 = CCP Citizens Corps Program
- 5 = EMPG Emergency Management Performance Grants
- 6 = IBSGP Intercity Bus Security Grant Program
- 7 = TSGP Transit Security Grant Program
- 8 = PSGP Port Security Grant Program
- 9 = BZPP Buffer Zone Protection Program
- 10 = Chem-BZPP Chemical Buffer Zone Protection Program
- 11 = NSGP Nonprofit Security Grant Program
- 12 = PSIC Public Safety Interoperable Communications Program
- 13 = EOC Emergency Operations Center
- \*\* **RKB AEL No.:** "Responder Knowledge Base" <u>Authorized Equipment List</u> Number A number that has been assigned to this specific piece of equipment in the FEMA/DHS Authorized Equipment List, and is often required to be referenced in grant application documents when an agency applies for specific equipment grants.

The following websites provide help and guidance in search and application for many of the grant programs.

www.firegrantsupport.com

www.grants.gov

## HMRT INSPECTION PROGRAM AUDIT PROGRAM

- Agencies in GREEN have been awarded grants in this program.
- This helps in their attaining a Team Typing status.
- Produces
   efficiency in
   grant money
   spending
- (NO WASTE)

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CH	HART#1(	CAL	. / EI	MA	– Fi	re & R	Rescu	e Bra	nch – I	HMRT	Audits		ped (SOME FROM PREVI		
Insp. Date	Agency Grant Contact "A A"	Insp.	Op Area	Reg.	Type Insp.	Type Cert	Pass –	Unit #	\$\$ Low End	\$\$ Hi End	Median \$\$	Notify /	RANT MANAGEMENT -	AWARDED	Amount
4-15- 09	LA County F.D.	18	XLB- LAC	1	1	0	Audit Only	HM #76	\$51,492	\$104,224	\$77,858	Replied Yes Yes	Dean McGuire, BC 323-881-3041 dmoguire@fire.lscounty.gov Christy Grandon		\$80,000
4-15- 09	LA County F.D.	40	XLB- LAC	1	1	0	Audit Only	H M #105	\$88,147	\$126,112	\$97,130	Yes Yes	ograndon@fire.laccunty.gov Hiedy Oliva holiva@fire.laccunty.gov		\$100,000
4-16- 09	LA City Fire Dept.	38	XLA- LFD	1	1	0	Audit Only	HM #4	\$26,881	\$42,830	\$34,845	Yes			\$35,000
4-16- 09	LA City Fire Dept.	39	XLA- LFD	1	1	0	Audit Only	HM #87	\$38,382	\$59,145	\$48,754	Yes			\$50,000
5-21- 09	Marin Co FD Haz-Mat JPA	33	XMR- MRN	п	1	(This would be an upgrade to 1)	Audit Only	HM-1	\$78,482	\$117,480	\$97,971				\$0
2-26- 08	Long Beach	7	XLF- LOB	1	ю	3 (This would be an upgrade to 1)	Typing Inspection -PASS-	HM-24	\$81,955	\$120,084	\$101,020	Yes Yes	Christopher Rowe Christopher.rowe@Iongbeach .gov	ı	\$105,000
6-19- 09	San Ramon Valley FPD	28	XCC- SRM	п	2	2 (This would be an upgrade to 1)	Typing Inspection -PASS-	HM-35	\$127,120	\$201,199	\$187,180				\$0
7-7-09	Eureka Fire Dept	31	XHU- EUR	п	2	0	Typing Inspection -FAIL-	HM-8190	\$22,033	\$33,785	\$27,910				\$0
7-31- 09	Butte County Fire (Cal/Fire)	38 & 37	XBU- BUT	Ш	2	0	Typing Inspection -FAIL-	HM-1 or HM-64	\$89,252	\$121,308	\$105,279	Yes Yes	Russ Fowler, BC 530-538-7111 530-521-8056 (C) Russ fowler@fire.ca.gov		\$0
10-8- 09	Bakersfield F.D.	42	XKE- BKR	v	2	0	Typing Inspection -FAIL-	HM-15	\$8,772	\$17,898	\$13,335	Yes Yes	Garth Milam, BC 661-326-3688 (O) 661-706-3688 (C)		\$205,000
10-8- 09	Bakersfield F.D.	42	XKE- BKR	٧	Upgrade to 1	2	Upgrade To 1	HM-15	\$122,956	\$262,716	\$192,836		gmilam@bakersfieldfire.us		\$0
10-12- 09	Sutter County F.D.	30	XSU- STC	ш	3	0	Typing Inspection -FAIL-	Rescue 8	\$28,147	\$34,943	\$31,545	Yes Yes	Dan Yager, Chief 530-822-7400 530-882-7908 (C) dyager@co.sutter.ca.us		36,600
2-2-08	Merced Co. F.D.	11	XMD MRD	٧	Upgrade to 1	2	PASS	HM-62	\$104,626	\$168,249	\$136,438				S0
2-11- 10	San Diego (HM-1)	9	XSD SND	VI	2	0	Typing Inspection -FAIL-	HM-1	\$30,007	\$38,949	\$34,478				\$0
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### **Cal EMA Contacts**

#### **Team Typing Lead**

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### **Any Questions**







# That is all Folks!



